

ABSTRACT

A method and a device for easily setting a processing condition from a dent rate of a product by giving an arbitrary dent producing condition and a shotblast processing condition in a shotblasting process. The method calculates a processing time, a projection amount and a projection material speed for enabling a target dent rate to be set, from the number of dents in a predetermined dent unit area and time. The method comprises the steps of: calculating a dent unit area from a projection material hardness, a projection material particle size, a projection material speed and the hardness of a processed product; calculating the number of dents required to attain a predetermined target dent rate; and calculating a processing time from the number of dents, a projection amount, a projection material density and the projection material particle size.